U.S. Army Space and Missile Defense Technical Center Overview

SETAC Industry Day

19 July 2006

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Deputy for Operations
Space and Missile
Defense Technical Center

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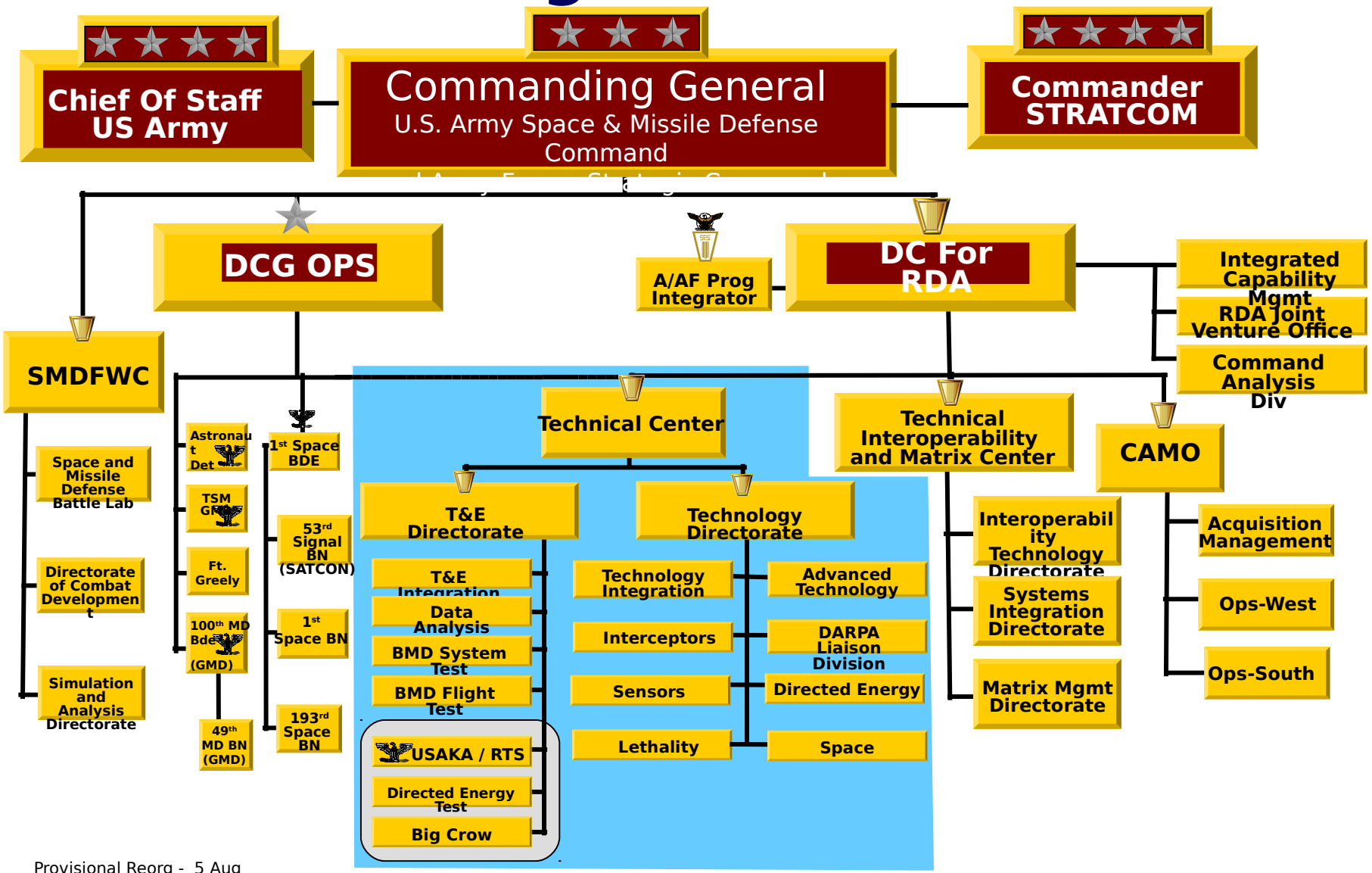
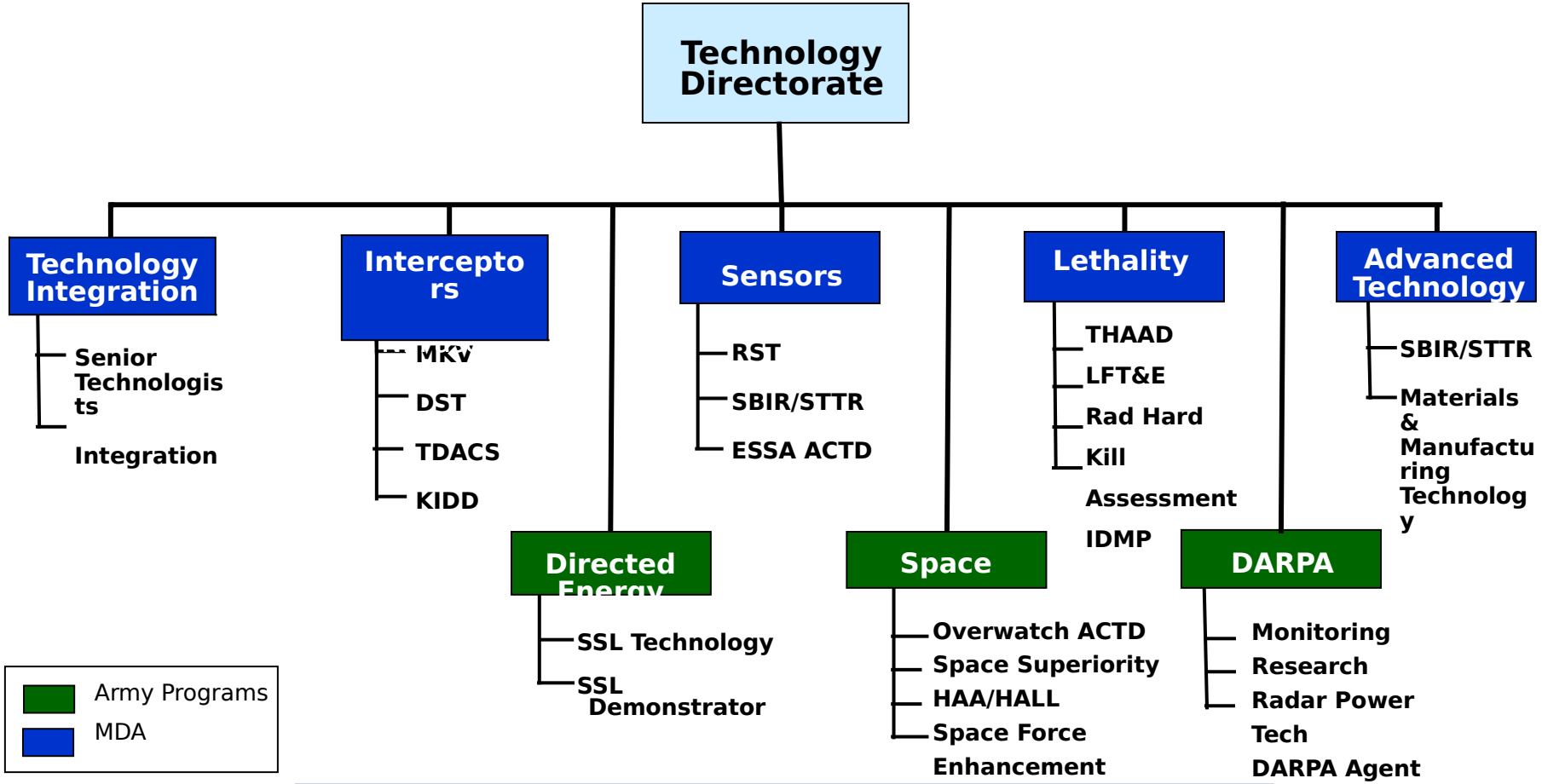
Organization



Space and Missile Defense Technical Center

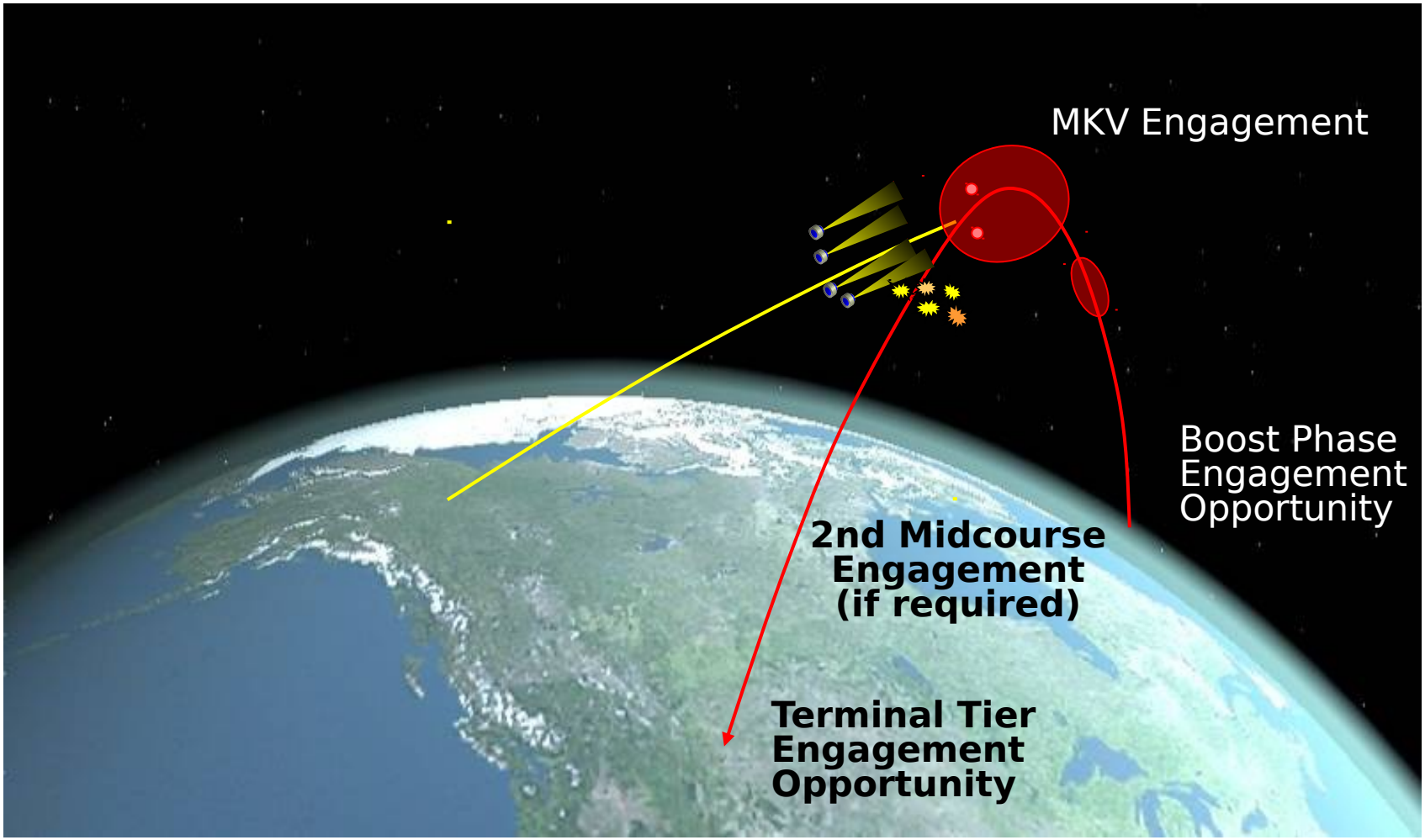
Technology Directorate

Technology Directorate



Combined Management of Diverse Army, MDA and OSD Programs

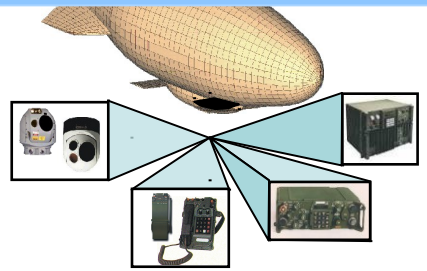
Notional Multiple Kill Vehicle (MKV) System Concept



Space

SMDTC – Army Lead For Space Research, Development And Engineering

High Altitude Airship

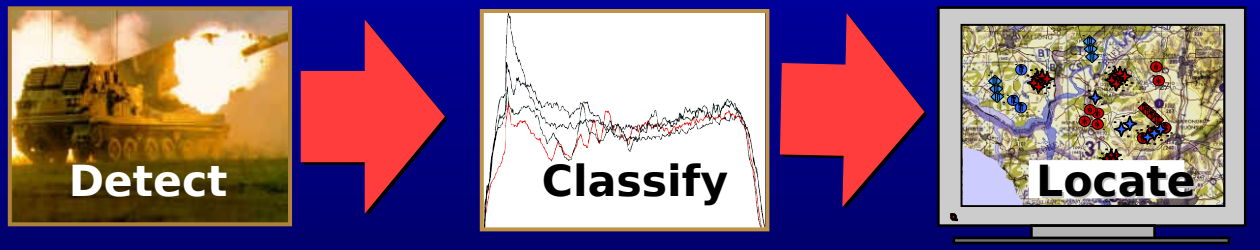


Space Control

Identify, Develop, Demo, And Integrate Space Technologies Aligned With Army & DOD Requirements - Enhance Operational Warfighter Capability

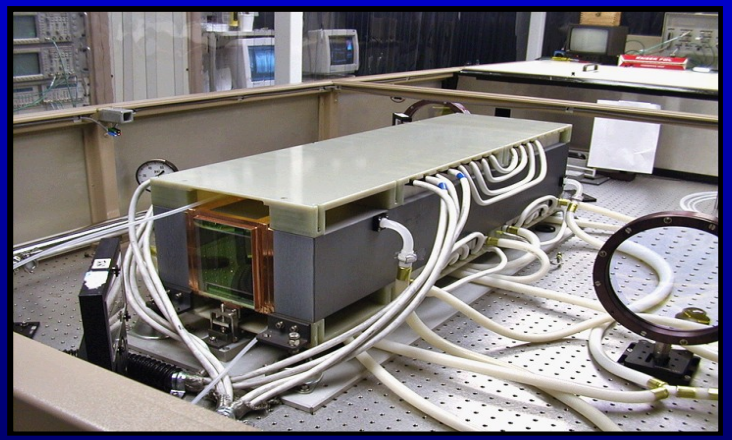
Distributed Imaging Radar Technology

Battlefield Ordnance Awareness (BOA)



Solid State Laser (SSL) Technology

- SSL Program Achieved 16KW in FY03 with Highly Skilled Technical Center Personnel Leading the Design and Development Effort
- Potential to be the First HEL Technology Compact Enough to Fit Within FCS Size and Weight Constraints – Technology Breakthrough
- Leverages Cooperative Development with DoD / DoE Labs and Industry



Developing Leap-Ahead HEL Technologies for the Future Force Today

Space and Missile Defense Technical Center

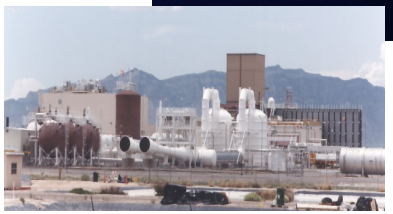
Test and Evaluation Directorate

Key T&E Functions

Test Range Operations

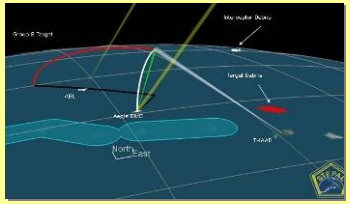
USAKA/RTS

HELSTF

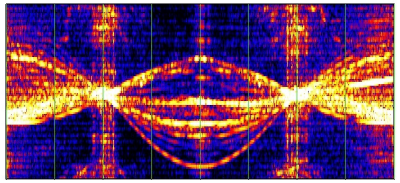


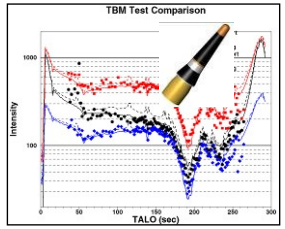
SMDC Technical Center Executes A Broad Variety of T&E Programs

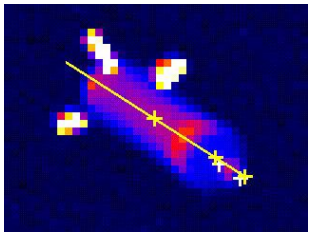
Test Planning & Execution



Realignment Underway



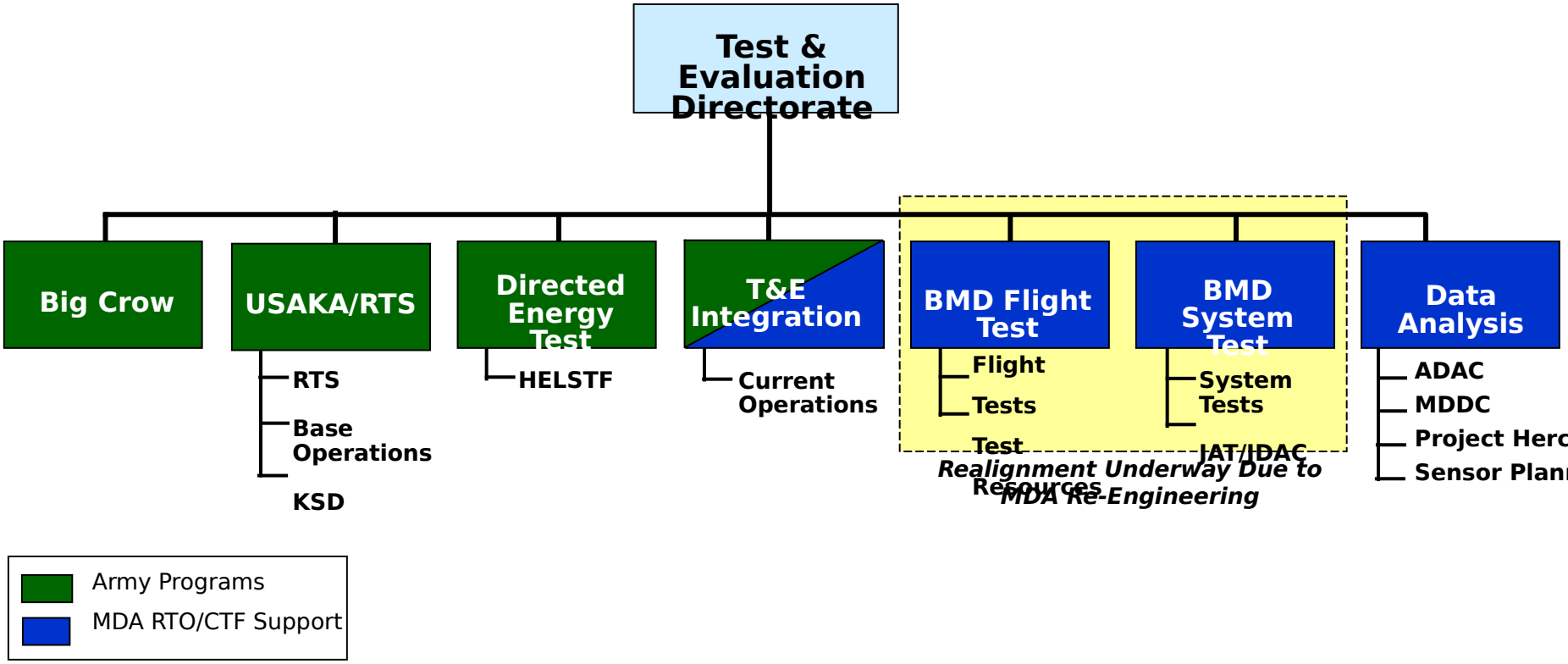




Data Analysis

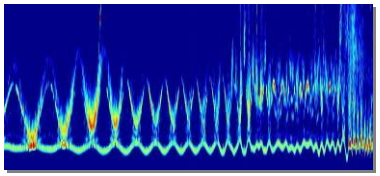
Test Resource Management

Test & Evaluation Directorate

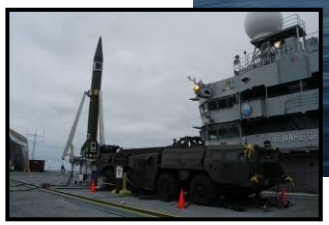


Combined Management of Diverse Army and MDA Programs

Test Resources

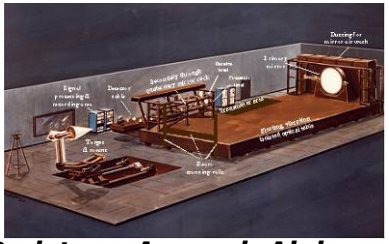


Radar Data Collection Planning & Exploitation



Mobile Launch Platform

Ground Test Facility Operations



Redstone Arsenal, Alabama

SMDC Technical Center Manages Diverse One-Of-A-Kind Test Resources For MDA

USAKA Reagan Test Site

- 24x7 Space Surveillance
- First Look at New Foreign Launches from Asia/Eastern Europe
- Cornerstone of MDA's Pacific Test Bed
- Essential Role in GMD Development
- Key "All Range" Test Site: Short, Medium and Long Range Scenarios
- Technology Test Bed for Future DoD Sensor Systems

National Space and Missile Testing Asset Managed by SMDC Tech Center

Summary

The Space And Missile Defense Technical Center Plays An Important Role In The Development Of Space And Missile Defense Technology And Test Support